



Docket: H-US-00497 (1544-3)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S): Roman Turovskiy, et al.

EXAMINER: Peter J. Vrettakos

SERIAL No.: 10/622,800

GROUP: Art Unit: 3739

FILED: July 18, 2003

DATED: November 22, 2005

TITLE: **DEVICES AND METHODS FOR
COOLING MICROWAVE ANTENNAS**

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to Applicant(s) duty of disclosure, the information listed in the attached form PTO/SB/08A is brought to the attention of the Examiner. Copies of the U.S. patent documents are not provided in accordance with the waiver of that requirement under 37 C.F.R. §1.98.

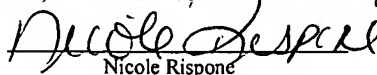
The citation of the listed items is not a representation that they constitute a complete or exhaustive listing of the relevant art or that the references are prior art. The items listed are submitted in good faith, but are not intended to substitute for the Examiner's search. It is hoped, however, that in addition to apprising the Examiner of these particular items, they will assist in identifying fields of search and in making as full and complete a search as possible.

The filing of this information disclosure statement is not an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, postpaid in an envelope, addressed to the: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Dated: **November 22, 2005**


Nicole Risponé

☐ This information disclosure statement is being filed within three (3) months of the filing date of this application.

☐ This information disclosure statement is being filed within three (3) months of the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in an international application.

☐ To the best of Applicant(s) knowledge, this information disclosure statement is being filed before the date of mailing of a first Office Action on the merits in connection with this case.

☐ Enclosed herewith is a certificate under 37 C.F.R. §1.97(e)(1).

☐ Enclosed herewith is a petition under 37 C.F.R. §1.97(d)(2).

☐ Enclosed by check is the petition fee of \$130.00. (37 C.F.R. §1.17(i)(1))

☐ Please charge the \$130.00 petition fee to Deposit Account No. 50-2140.

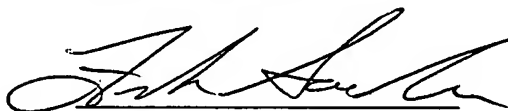
☐ Enclosed by check is the \$180.00 fee required by 37 C.F.R. §1.17(p).

☐ Please charge the \$180.00 fee required by 37 C.F.R. §1.17(p) to Deposit Account No. 50-2140.

☒ Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. §1.16 and/or 1.17 at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account 50-2140. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 50-2140 therefor.

The claims of the application as now presented are believed to patentably distinguish over the prior art and to be in condition for allowance. Early and favorable consideration of the case is respectfully requested.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'F. Sardone', written over a horizontal line.

Francesco Sardone

Reg. No. 47,918

Attorney for Applicant(s)

Carter, DeLuca, Farrell & Schmidt, LLP

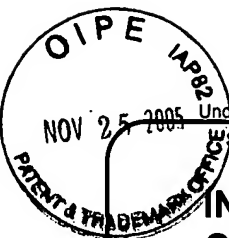
445 Broad Hollow Road - Suite 225

Melville, New York 11747

Tel.: (631) 501-5700

Fax: (631) 501-3526

FS/nr



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/622,800
Filing Date	July 18, 2005
First Named Inventor	Roman Turovskiy, et al.
Art Unit	3739
Examiner Name	Peter J. Vrettakos
Attorney Docket Number	H-US-00497 (1544-3)

U.S. PATENT DOCUMENTS WITHOUT REFERENCES

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		2001/0051131	12/13/2001	Unger	
		2002/0059938	05/23/2002	Fogarty et al.	
		2003/0195499	10/16/2003	Prakash et al.	
		2003/0208199	11/06/2003	Keane	
		2004/0168692	09/02/2004	Fogarty et al.	
		2004/0267156	12/30/2004	Turovskiy et al.	
		2005/0015081	01/20/2005	Turovskiy et al.	
		2005/0062666	03/24/2005	Prakash et al.	
		2,022,065	11/26/1935	Wappler	
		2,047,535	07/14/1936	Wappler	
		3,320,341	05/00/1967	Mackie William	
		3,330,278	07/11/1967	Santomieri	
		3,351,463	11/07/1967	Rozner et al.	
		3,516,412	06/23/1970	Ackerman	
		3,714,851	02/06/1973	Orser	
		3,753,700	08/21/1973	Harrison et al.	
		3,890,977	06/24/1975	Wilson	
		4,010,756	03/08/1977	DuMont et al.	
		4,103,690	08/01/1978	Harris	
		4,274,408	06/23/1981	Nimrod	
		4,341,226	07/27/1982	Peters	
		4,402,328	09/06/1983	Doring	
		4,592,356	06/03/1986	Gutierrez	
		4,595,007	06/17/1986	Mericle	
		4,616,656	10/14/1986	Nicholson et al.	
		4,621,642	11/11/1986	Chen	
		4,633,880	01/06/1987	Osypka et al.	
		4,665,906	05/19/1987	Jervis	
		4,682,606	07/28/1987	DeCaprio	
		4,700,716	10/20/1987	Kasevich et al.	
		4,799,495	01/24/1989	Hawkins et al.	
		4,869,259	09/26/1989	Elkins	
		4,925,445	05/15/1990	Sakamoto et al.	
		4,966,583	10/30/1990	Debbas	
		5,011,473	04/30/1991	Gattorna	
		5,018,530	05/28/1991	Rank et al.	
		5,059,197	10/22/1991	Urie et al.	
		5,067,957	11/26/1991	Jervis	
		5,122,136	06/16/1992	Guglielmi et al.	
		5,158,084	10/27/1992	Ghiatas	
		5,183,463	02/02/1993	Debbas	
		5,190,546	03/02/1993	Jervis	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/622,800
Filing Date	July 18, 2005
First Named Inventor	Roman Turovskiy, et al.
Art Unit	3739
Examiner Name	Peter J. Vrettakos
Attorney Docket Number	H-US-00497 (1544-3)

Sheet 2 of 4

U.S. PATENT DOCUMENTS WITHOUT REFERENCES

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5,197,482	03/30/1993	Rank et al.	
		5,205,829	04/27/1993	Lituchy	
		5,217,027	06/08/1993	Hermens	
		5,282,845	02/01/1994	Bush et al.	
		5,300,068	04/05/1994	Rosar et al.	
		5,301,682	04/12/1994	Debbas	
		5,350,419	09/27/1994	Bendel et al.	
		5,353,804	10/11/1994	Kornberg et al.	
		5,409,004	04/25/1995	Sloan	
		5,405,346	04/11/1995	Grundy et al.	
		5,462,062	10/31/1995	Rubinstein et al.	
		5,472,441	12/05/1995	Edwards et al.	
		5,486,183	01/23/1996	Middleman et al.	
		5,488,958	02/06/1996	Topel et al.	
		5,536,267	07/16/1996	Edwards et al.	
		5,540,683	07/30/1996	Ichikawa et al.	
		5,556,377	09/17/1996	Rosen et al.	
		5,556,410	09/17/1996	Mittermeir et al.	
		5,558,673	09/24/1996	Edwards et al.	
		5,599,294	02/04/1997	Edwards et al.	
		5,672,173	09/30/1997	Gough et al.	
		5,672,174	09/30/1997	Gough et al.	
		5,683,384	11/04/1997	Gough et al.	
		5,685,853	11/11/1997	Bonnet	
		5,700,243	12/23/1997	Narciso Jr.	
		5,709,697	01/20/1998	Ratcliff et al.	
		5,720,718	02/24/1998	Rosen et al.	
		5,735,847	04/07/1998	Gough et al.	
		5,741,225	04/21/1998	Lax et al.	
		5,749,887	05/12/1998	Heske et al.	
		5,794,626	08/18/1998	Kieturakis	
		5,795,308	08/18/1998	Russin	
		5,800,484	09/01/1998	Gough et al.	
		5,807,339	09/15/1998	Bostrom et al.	
		5,853,366	12/29/1998	Dowlatshahi	
		5,855,576	01/05/1999	LeVeen et al.	
		5,863,290	01/26/1999	Gough et al.	
		5,871,523	02/16/1999	Fleischman et al.	
		5,879,357	03/09/1999	Heaton et al.	
		5,882,316	03/16/1999	Chu et al.	
		5,902,310	05/11/1999	Foerster et al.	
		5,904,690	05/18/1999	Middleman et al.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 3

of 4

Complete if Known

Application Number	10/622,800
Filing Date	July 18, 2005
First Named Inventor	Roman Turovskiy, et al.
Art Unit	3739
Examiner Name	Peter J. Vrettakos
Attorney Docket Number	H-US-00497 (1544-3)

U.S. PATENT DOCUMENTS WITHOUT REFERENCES

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		5,904,691	05/18/1999	Barnett et al.	
		5,941,890	08/24/1999	Voegelé et al.	
		5,954,655	09/21/1999	Hussman	
		5,954,719	09/21/1999	Chen et al.	
		5,989,265	11/23/1999	Bouquet De La Jolinière et al.	
		6,007,495	12/28/1999	Matula	
		6,019,757	02/01/2000	Scheldrup	
		6,022,362	02/08/2000	Lee et al.	
		6,027,524	02/22/2000	Petit	
		6,039,735	03/21/2000	Greep	
		6,050,954	04/18/2000	Mittermeier	
		6,051,008	04/18/2000	Saadat et al.	
		6,053,876	04/25/2000	Fisher	
		6,053,925	04/25/2000	Barnhart	
		6,056,744	05/02/2000	Edwards	
		6,080,113	06/27/2000	Heneveld et al.	
		6,080,114	06/27/2000	Russin	
		6,146,657	11/14/2000	Unger	
		6,176,856	01/23/2001	Jandak et al.	
		6,245,318	06/12/2001	Klibanov et al.	
		6,277,113	08/21/2001	Berube	
		6,330,479	12/11/2001	Stauffer	
		6,347,251	02/12/2002	Deng	
		6,405,733	06/18/2002	Fogarty et al.	
		6,496,738	12/17/2002	Carr	
		6,530,922	03/11/2003	Cosman et al.	
		6,551,311	04/22/2003	Lee et al.	
		6,564,806	05/20/2003	Fogarty et al.	
		6,569,159	05/27/2003	Edwards et al.	
		6,611,699	08/26/2003	Messing	
		6,622,731	09/23/2003	Daniel et al.	
		6,663,624	12/16/2003	Edwards et al.	
		6,685,700	02/03/2004	Behl et al.	
		6,699,241	03/02/2004	Rappaport et al.	
		6,722,371	04/20/2004	Fogarty et al.	
		6,752,154	06/22/2004	Fogarty et al.	
		6,752,767	06/22/2004	Turovskiy et al.	
		6,878,147	04/12/2005	Prakash et al.	

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 4

of 4

Complete if Known

Application Number	10/622,800
Filing Date	July 18, 2005
First Named Inventor	Roman Turovskiy, et al.
Art Unit	3739
Examiner Name	Peter J. Vrettakos
Attorney Docket Number	H-US-00497 (1544-3)

FOREIGN PATENT DOCUMENTS WITH REFERENCES

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		EP 0 385 604 A2	09/05/1990	O'Neill		
		EP 0 395 997 A1	11/07/1990	Houghton, et al.		
		EP 0 829 232 A2	03/18/1998	Chu, et al.		
		WO 88/06864	09/22/1988	Hawkins, et al.		
		WO 92/12678	08/06/1992	Spencer, et al.		
		WO 96/27328	09/12/1996	Bouquet De La Jolaniere, et al.		
		WO 99/04704	02/04/1999	McGuckin, et al.		
		WO 99/25248	05/27/1999	Carroll		
		WO 99/43268	09/02/1999	Barnhart		
		WO 99/44506	09/10/1999	Burbank, et al.		
		WO 99/58065	11/18/1999	Krag		
		WO 99/66834	12/29/1999	Fulton, et al.		
		WO 00/10471	03/02/2000	Fulton, et al.		
		WO 00/12009	03/09/2000	Burbank, et al.		
		WO 00/12010	03/09/2000	Sirimanne, et al.		
		WO 00/13602	03/16/2000	Lee, et al.		
		WO 00/16697	03/30/2000	Burbank, et al.		
		WO 00/24320	05/04/2000	Esposito, et al.		
		WO 00/28913	05/25/2000	Carroll		
		WO 00/30531	06/02/2000	Burbank, et al.		
		WO 00/33743	06/15/2000	Burbank, et al.		
		WO 01/05317 A1	01/25/2001	Garbagnati, et al.		
		WO 01/05320 A1	01/25/2001	Burbank, et al.		
		WO 03/088806 A3	10/30/2003	Su, et al.		
		WO 03/088858 A1	10/30/2003	Prakash, et al.		
		WO 2005/011049 A3	02/03/2005	Turovskiy, et al.		

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.